

MANUFACTURE OF PLATE BASE FOR CLAD-TYPE LEAD ACID BATTERY

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Abstract

PURPOSE: To increase the life of a battery by making lead or a lead alloy into a plural number of extruded bars by means of a die, immersing ends of the said extruded bars in a molten bath of lead or a lead alloy, and cooling the molten bath so as to make a unified block before the block is cut.

CONSTITUTION: A material 2 made of lead or a lead alloy is inserted into a container 1 used as an extrude, and is extruded from a die 4 having plural holes by a pressure (p) of a ram 3 so as to make a plural number of bar-like extruded materials 5. Here, the materials 5 are arranged for example, in circular form like the holes of the die 4. Next, ends of the materials 5 are immersed in a molten bath 9 of lead or a lead alloy contained in a mold 8, and the molten bath 9 is cooled so as to form a unified block of the materials 5 and the cooled molten bath 9. After that, the materials 5 of the block are cut into given length, and the block is divided so that each divided block has a given number of materials 5, thus a clad-type plate base is obtained. Consequently, the materials 5 can be used as excellent core metals, and a plate base which has long life and is used for a clad-type battery can be obtained.

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